

Title (en)
ELASTIC BEARING FOR TRACK PINS IN CRAWLER CHAINS

Title (de)
ELASTISCHE LAGERUNG FÜR KETTENBOLZEN IN GLEISKETTEN

Title (fr)
PALIER ELASTIQUE POUR BOULONS DE CHENILLES

Publication
EP 0741654 B1 19970618 (DE)

Application
EP 95906989 A 19950125

Priority
• DE 4402946 A 19940201
• EP 9500258 W 19950125

Abstract (en)
[origin: US5749634A] PCT No. PCT/EP95/00258 Sec. 371 Date Apr. 11, 1996 Sec. 102(e) Date Apr. 11, 1996 PCT Filed Jan. 25, 1995 PCT Pub. No. WO95/21089 PCT Pub. Date Aug. 10, 1995 In hinge tracks with rubber mountings (5) in which rubber-lined tubular steel bushes mount track pivot pins (20), the pin ends are usually provided with screwthreaded projection portions so that the steel bushes (10) are motion-free braced relative to each other and relative to the track pivot pins (20) by means of nuts. In order to improve the useful life of the rubber mounting (5) and reduce maintenance, a rubber-lined spreadable bush (10) with at least one dividing gap (11) is proposed instead of the tubular bush. The internal width (25) of the bush (10) which is pressed into position is less than the diameter (27) of the track pivot pin (20). The inserted track pivot pin (20) expands the bush (10) which is pressed into the chain link member (1). In that case the track pivot pin (20) is braced in the bush (10) and is fixed in its longitudinal direction by frictional engagement and in the peripheral direction by frictional engagement and/or positively locking engagement. The screw for bracing the bushes (10) are eliminated and an increase in the rubber mounting surface is achieved by virtue of using the screwthread space of the screwthread arrangement. That affords an increased service life for the rubber mounting in a maintenance-free design configuration.

IPC 1-7
B62D 55/21

IPC 8 full level
B62D 55/21 (2006.01)

CPC (source: EP US)
B62D 55/211 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)
US 5749634 A 19980512; AT E154560 T1 19970715; AU 1536395 A 19950821; AU 680105 B2 19970717; CA 2170524 A1 19950810; CA 2170524 C 20010410; DE 4402946 A1 19950803; DE 4402946 C2 19970410; DE 59500331 D1 19970724; DK 0741654 T3 19980126; EP 0741654 A1 19961113; EP 0741654 B1 19970618; ES 2105889 T3 19971016; GR 3024793 T3 19980130; IL 112500 A0 19950330; IL 112500 A 19981030; JP H09508335 A 19970826; KR 100287594 B1 20010416; NO 306153 B1 19990927; NO 962306 D0 19960604; NO 962306 L 19960604; WO 9521089 A1 19950810

DOCDB simple family (application)
US 62464496 A 19960411; AT 95906989 T 19950125; AU 1536395 A 19950125; CA 2170524 A 19950125; DE 4402946 A 19940201; DE 59500331 T 19950125; DK 95906989 T 19950125; EP 9500258 W 19950125; EP 95906989 A 19950125; ES 95906989 T 19950125; GR 970402428 T 19970917; IL 11250095 A 19950131; JP 52035695 A 19950125; KR 19960703649 A 19960706; NO 962306 A 19960604